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NEWS	2	Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS	3	Jan 25 Searching with the P indicator for Preparations
NEWS	4	Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS	5	Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS	6	Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS	7	Mar 08 Gene Names now available in BIOSIS
NEWS	8	Mar 22 TOXLIT no longer available
NEWS	9	Mar 22 TRCTHERMO no longer available
NEWS	10	Mar 28 US Provisional Priorities searched with P in CA/CAplus and USPATFULL
NEWS	11	Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
NEWS	12	Apr 02 PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS	13	Apr 08 "Ask CAS" for self-help around the clock
NEWS	14	Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	15	Apr 09 ZDB will be removed from STN
NEWS EXPRESS		February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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NEWS LOGIN		Welcome Banner and News Items
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=> file agricola biosis embase uspatful

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'AGRICOLA' ENTERED AT 16:16:52 ON 17 APR 2002

FILE 'BIOSIS' ENTERED AT 16:16:52 ON 17 APR 2002

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FILE 'USPATFULL' ENTERED AT 16:16:52 ON 17 APR 2002

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=> s glucan(w)lyase

L1 53 GLUCAN(W) LYASE

=> s l1 and anhydrofructose

L2 16 L1 AND ANHYDROFRUCTOSE

=> s l2 and d-anhydrofructose

L3 3 L2 AND D-ANHYDROFRUCTOSE

=> d l3 1-3

L3 ANSWER 1 OF 3 USPATFULL

AN 2000:4667 USPATFULL

TI .alpha.-1,4- \*\*\*glucan\*\*\* \*\*\*lyase\*\*\* from a fungus infected  
algae, its purification, gene cloning and expression in microorganisms

IN Yu, Shukun, Malmo, Sweden

Bojsen, Kirsten, Allerod, Denmark

Kragh, Karsten, Viby, Denmark

Bojko, Maja, Gentofte, Denmark

Nielsen, John, Copenhagen, Denmark

Marcussen, Jan, Copenhagen, Denmark

PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)

PI US 6013504 20000111

WO 9510618 19960420

AI US 1996-633768 19960702 (8)

WO 1994-EP3399 19941015

19960702 PCT 371 date

19960702 PCT 102(e) date

PRAI GB 1993-21301 19931015

DT Utility

FS Granted

LN.CNT 1543

INCL INCLM: 435/232.000

INCLS: 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100;  
536/023.200; 536/023.740; 424/094.500

NCL NCLM: 435/232.000

NCLS: 424/094.500; 435/105.000; 435/252.300; 435/252.330; 435/257.200;  
536/023.100; 536/023.200; 536/023.740

IC [6]

ICM: C12N009-88  
EXF 435/232; 435/257.2; 435/252.3; 435/252.33; 435/105; 536/23.1; 536/23.2;  
536/23.74; 424/94.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 3 USPATFULL  
AN 1999:63233 USPATFULL  
TI .alpha.-1,4- \*\*\*glucan\*\*\* \*\*\*lyase\*\*\* from a fungus, its  
purification gene cloning and expression in microorganisms  
IN Bojsen, Kirsten, Allerod, Denmark  
Yu, Shukun, Malmo, Sweden  
Kragh, Karsten, Viby J, Denmark  
Christensen, Tove, Allerod, Denmark  
Marcussen, Jan, Copenhagen, Denmark  
PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)  
PI US 5908760 19990601  
WO 9510617 19950420  
AI US 1996-633770 19960708 (8)  
WO 1994-EP3398 19941015  
19960708 PCT 371 date  
19960708 PCT 102(e) date  
PRAI GB 1993-21302 19931015  
DT Utility  
FS Granted  
LN.CNT 1285  
INCL INCLM: 435/069.100  
INCLS: 536/023.740; 536/024.320; 435/183.000; 435/200.000; 435/232.000;  
530/344.000; 530/350.000; 530/823.000; 935/011.000; 935/014.000;  
935/068.000  
NCL NCLM: 435/069.100  
NCLS: 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000;  
530/823.000; 536/023.740; 536/024.320  
IC [6]  
ICM: C12N015-00  
ICS: C12N009-88; C07H021-04  
EXF 435/69.1; 435/240.1; 435/320.1; 435/183; 435/200; 435/232; 536/23.74;  
536/24.32; 935/11; 935/14; 935/66; 935/68; 530/344; 530/350; 530/412;  
530/417; 530/820; 530/823  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 3 USPATFULL  
AN 97:115135 USPATFULL  
TI \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* producing 1,5- \*\*\*anhydrofructose\*\*\*  
IN Yu, Shukun, Malmo, Sweden  
Pedersen, Marianne, Rallarvagen, Sweden  
Kenne, Lennart, Marsta, Sweden  
PA T&M Biopolymer Aktiebolag, Uppsala, Sweden (non-U.S. corporation)  
PI US 5695970 19971209  
WO 9409122 19940428  
AI US 1995-416709 19950418 (8)  
WO 1993-SE854 19931019  
19950418 PCT 371 date  
19950418 PCT 102(e) date  
PRAI SE 1992-3084 19921021  
DT Utility  
FS Granted  
LN.CNT 1039

INCL INCLM: 435/105.000  
 INCLS: 435/232.000; 435/252.330; 435/252.300; 435/257.200; 536/023.200  
 NCL NCLM: 435/105.000  
 NCLS: 435/232.000; 435/252.300; 435/252.330; 435/257.200; 536/023.200  
 IC [6]  
 ICM: C12P019-02  
 ICS: C12N009-88; C12N001-20  
 EXF 435/232; 435/257.1; 435/105; 435/257.2; 536/23.2  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

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ENTRY	SESSION
7.13	7.55

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.30	7.85

FULL ESTIMATED COST

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=> s 11 and anhydrofructose

L4 16 L1 AND ANHYDROFRUCTOSE

=> d 14 1-16

L4 ANSWER 1 OF 16 AGRICOLA

AN 93:91053 AGRICOLA

DN IND20357338

TI alpha-1,4- \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* , a new class of starch/glycogen  
 degrading enzyme. I. Efficient purification and characterization from red  
 seaweeds.

AU Yu, S.; Kenne, L.; Pedersen, M.

AV DNAL (381 B522)

SO Biochimica et biophysica acta = International journal of biochemistry and  
 biophysics, Mar 21, 1993. Vol. 1156, No. 3. p. 313-320

Publisher: Amsterdam : Elsevier Science Publishers.

CODEN: BBACAQ; ISSN: 0006-3002

NTE Includes references  
CY Netherlands  
DT Article  
FS Non-U.S. Imprint other than FAO  
LA English

L4 ANSWER 2 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2002:87827 BIOSIS  
DN PREV200200087827  
TI \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* producing 1,5- \*\*\*anhydrofructose\*\*\* .  
AU Yu, S.; Pedersen, M.; Kenne, L.  
CS Malmo Sweden  
ASSIGNEE: T&M BIOPOLYMER AKTIEBOLAG  
PI US 5695970 Dec. 9, 1997  
SO Official Gazette of the United States Patent and Trademark Office Patents,  
(Dec. 9, 1997) Vol. 1205, No. 2, pp. 1310.  
ISSN: 0098-1133.  
DT Patent  
LA English

L4 ANSWER 3 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:185806 BIOSIS  
DN PREV200100185806  
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
in ripening banana.  
AU Konishi, Yotaro (1); Hashima, Keiko; Kishida, Kunihiro  
CS (1) Faculty of Human Life Science, Osaka City University, 3-3-138,  
Sugimoto, Sumiyoshi-ku, Osaka, 558-8585: konishi@life.osaka-cu.ac.jp Japan  
SO Bioscience Biotechnology and Biochemistry, (November, 2000) Vol. 64, No.  
11, pp. 2462-2465. print.  
ISSN: 0916-8451.  
DT Article  
LA English  
SL English

L4 ANSWER 4 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:93236 BIOSIS  
DN PREV200100093236  
TI N-linked oligosaccharide processing enzyme glucosidase II produces 1,5-  
\*\*\*anhydrofructose\*\*\* as a side product.  
AU Hirano, Kiyoko; Ziak, Martin; Kamoshita, Keiichi; Sukenaga, Yoshikazu;  
Kametani, Shunichi; Shiga, Yoko; Roth, Jorgen; Akanuma, Hiroshi (1)  
CS (1) Department of Life Sciences (Chemistry), Graduate School of Arts and  
Sciences, The University of Tokyo, Komaba, Meguro-ku, Tokyo, 153-8902  
Japan  
SO Glycobiology, (December, 2000) Vol. 10, No. 12, pp. 1283-1289. print.  
ISSN: 0959-6658.  
DT Article  
LA English  
SL English

L4 ANSWER 5 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1999:443718 BIOSIS  
DN PREV199900443718  
TI alpha-1,4- \*\*\*Glucan\*\*\* \*\*\*lyases\*\*\* producing 1,5-anhydro-D-  
fructose from starch and glycogen have sequence similarity to  
alpha-glucosidases.

AU Yu, Shukun (1); Bojsen, Kirsten; Svensson, Birte; Marcussen, Jan  
 CS (1) Danisco Biotechnology, Danisco A/S, Langebrogade 1, DK 1001,  
 Copenhagen K Denmark  
 SO Biochimica et Biophysica Acta, (Aug. 17, 1999) Vol. 1433, No. 1-2, pp.  
 1-15.  
 ISSN: 0006-3002.  
 DT General Review  
 LA English  
 SL English

L4 ANSWER 6 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AN 1997:420016 BIOSIS  
 DN PREV199799719219  
 TI The third glycogenolytic pathway which produces 1,5-  
 \*\*\*anhydrofructose\*\*\* and 1,5-anhydroglucitol.  
 AU Akanuma, H.; Kametani, S.; Shiga, Y.; Sakuma, M.; Kadokura, T.; Suzuki, M.  
 CS Dep. Life Sci., Graduate Sch. Arts and Sci., Univ. Tokyo, Tokyo 153 Japan  
 SO FASEB Journal, (1997) Vol. 11, No. 9, pp. A984.  
 Meeting Info.: 17th International Congress of Biochemistry and Molecular  
 Biology in conjunction with the Annual Meeting of the American Society for  
 Biochemistry and Molecular Biology San Francisco, California, USA August  
 24-29, 1997  
 ISSN: 0892-6638.  
 DT Conference; Abstract  
 LA English

L4 ANSWER 7 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AN 1997:86066 BIOSIS  
 DN PREV199799377779  
 TI Hepatic production of 1,5- \*\*\*anhydrofructose\*\*\* and  
 1,5-anhydroglucitol in rat by the third glycogenolytic pathway.  
 AU Kametani, Shunichi; Shiga, Yoko; Akanuma, Hiroshi (1)  
 CS (1) Dep. Life Sci., Graduate Sch. Arts Sci., Univ. Tokyo, 3-8-1 Komaba,  
 Meguro-ku, Tokyo 153 Japan  
 SO European Journal of Biochemistry, (1996) Vol. 242, No. 3, pp. 832-838.  
 ISSN: 0014-2956.  
 DT Article  
 LA English

L4 ANSWER 8 OF 16 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
 AN 1993:256615 BIOSIS  
 DN PREV199395135790  
 TI Alpha-1,4- \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* , a new class of starch/glycogen  
 degrading enzyme: I. Efficient purification and characterization from red  
 seaweeds.  
 AU Yu, Shukun (1); Kenne, Lennart; Pedersen, Marianne  
 CS (1) Dep. Physiol. Bot., Uppsala Univ., Box S-572 36 Uppsala Sweden  
 SO Biochimica et Biophysica Acta, (1993) Vol. 1156, No. 3, pp. 313-320.  
 ISSN: 0006-3002.  
 DT Article  
 LA English

L4 ANSWER 9 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 2001054598 EMBASE  
 TI N-linked oligosaccharide processing enzyme glucosidase II produces 1,5-  
 \*\*\*anhydrofructose\*\*\* as a side product.  
 AU Hirano K.; Ziak M.; Kamoshita K.; Sukenaga Y.; Kametani S.; Shiga Y.; Roth

J.; Akanuma H.  
 CS H. Akanuma, Department of Life Sciences Chem., The University of Tokyo,  
 Meguro-ku, Komaba, Tokyo 153-8902, Japan  
 SO Glycobiology, (2000) 10/12 (1283-1289).  
 Refs: 34  
 ISSN: 0959-6658 CODEN: GLYCE3  
 CY United Kingdom  
 DT Journal; Article  
 FS 004 Microbiology  
 029 Clinical Biochemistry  
 LA English  
 SL English

L4 ANSWER 10 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 2000186992 EMBASE  
 TI 1,5-Anhydro-D-fructose increases glucose tolerance by increasing  
 glucagon-like peptide-1 and insulin in mice.  
 AU Ahren B.; Holst J.J.; Yu S.  
 CS B. Ahren, Department of Medicine, Lund University, Malmo University  
 Hospital, SE-205 02 Malmo, Sweden. bo.ahren@medforsk.mas.lu.se  
 SO European Journal of Pharmacology, (26 May 2000) 397/1 (219-225).  
 Refs: 29  
 ISSN: 0014-2999 CODEN: EJPHAZ  
 PUI S 0014-2999(00)00261-2  
 CY Netherlands  
 DT Journal; Article  
 FS 029 Clinical Biochemistry  
 003 Endocrinology  
 030 Pharmacology  
 037 Drug Literature Index  
 LA English  
 SL English

L4 ANSWER 11 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 1999274717 EMBASE  
 TI .alpha.-1,4- \*\*\*Glucan\*\*\* \*\*\*lyases\*\*\* producing  
 1,5-anhydro-D-fructose from starch and glycogen have sequence similarity  
 to .alpha.-glucosidases.  
 AU Yu S.; Bojsen K.; Svensson B.; Marcussen J.  
 CS S. Yu, Danisco Biotechnology, Danisco A/S, Langebrogade 1, DK 1001  
 Copenhagen K, Denmark. g7sy@danisco.com  
 SO Biochimica et Biophysica Acta - Protein Structure and Molecular  
 Enzymology, (1999) 1433/1-2 (1-15).  
 Refs: 53  
 ISSN: 0167-4838 CODEN: BBAEDZ  
 PUI S 0167-4838(99)00152-1  
 CY Netherlands  
 DT Journal; General Review  
 FS 022 Human Genetics  
 029 Clinical Biochemistry  
 004 Microbiology  
 LA English  
 SL English

L4 ANSWER 12 OF 16 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.  
 AN 93089007 EMBASE  
 DN 1993089007

TI .alpha.-1,4- \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* , a new class of  
 starch/glycogen degrading enzyme. I. Efficient purification and  
 characterization from red seaweeds.  
 AU Yu S.; Kenne L.; Pedersen M.  
 CS Department of Physiological Botany, Uppsala University, Box 540,S-752 36  
 Uppsala, Sweden  
 SO Biochimica et Biophysica Acta - General Subjects, (1993) 1156/3 (313-320).  
 ISSN: 0304-4165 CODEN: BBGSB3  
 CY Netherlands  
 DT Journal; Article  
 FS 029 Clinical Biochemistry  
 LA English  
 SL English

L4 ANSWER 13 OF 16 USPATFULL  
 AN 2002:16641 USPATFULL  
 TI Foodstuff  
 IN Soe, Jorn Borch, Mundelstrup, DENMARK  
 PI US 2002009518 A1 20020124  
 AI US 2000-750990 A1 20001228 (9)  
 RLI Continuation-in-part of Ser. No. WO 1999-IB1354, filed on 20 Jul 1999,  
 UNKNOWN  
 PRAI GB 1998-15905 19980721  
 GB 1998-24758 19981111  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1268  
 INCL INCLM: 426/033.000  
 INCLS: 426/061.000; 426/601.000  
 NCL NCLM: 426/033.000  
 NCLS: 426/061.000; 426/601.000  
 IC [7]  
 ICM: A23L001-00  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 14 OF 16 USPATFULL  
 AN 2000:4667 USPATFULL  
 TI .alpha.-1,4- \*\*\*glucan\*\*\* \*\*\*lyase\*\*\* from a fungus infected  
 algae, its purification, gene cloning and expression in microorganisms  
 IN Yu, Shukun, Malmo, Sweden  
 Bojsen, Kirsten, Allerod, Denmark  
 Kragh, Karsten, Viby, Denmark  
 Bojko, Maja, Gentofte, Denmark  
 Nielsen, John, Copenhagen, Denmark  
 Marcussen, Jan, Copenhagen, Denmark  
 PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)  
 PI US 6013504 20000111  
 WO 9510618 19960420  
 AI US 1996-633768 19960702 (8)  
 WO 1994-EP3399 19941015  
 19960702 PCT 371 date  
 19960702 PCT 102(e) date  
 PRAI GB 1993-21301 19931015  
 DT Utility  
 FS Granted  
 LN.CNT 1543  
 INCL INCLM: 435/232.000



INCLS: 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100;  
 536/023.200; 536/023.740; 424/094.500  
 NCL NCLM: 435/232.000  
 NCLS: 424/094.500; 435/105.000; 435/252.300; 435/252.330; 435/257.200;  
 536/023.100; 536/023.200; 536/023.740  
 IC [6]  
 ICM: C12N009-88  
 EXF 435/232; 435/257.2; 435/252.3; 435/252.33; 435/105; 536/23.1; 536/23.2;  
 536/23.74; 424/94.5  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 15 OF 16 USPATFULL  
 AN 1999:63233 USPATFULL  
 TI .alpha.-1,4- \*\*\*glucan\*\*\* \*\*\*lyase\*\*\* from a fungus, its  
 purification gene cloning and expression in microorganisms  
 IN Bojsen, Kirsten, Allerod, Denmark  
 Yu, Shukun, Malmo, Sweden  
 Kragh, Karsten, Viby J, Denmark  
 Christensen, Tove, Allerod, Denmark  
 Marcussen, Jan, Copenhagen, Denmark  
 PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)  
 PI US 5908760 19990601  
 WO 9510617 19950420  
 AI US 1996-633770 19960708 (8)  
 WO 1994-EP3398 19941015  
 19960708 PCT 371 date  
 19960708 PCT 102(e) date  
 PRAI GB 1993-21302 19931015  
 DT Utility  
 FS Granted  
 LN.CNT 1285  
 INCL INCLM: 435/069.100  
 INCLS: 536/023.740; 536/024.320; 435/183.000; 435/200.000; 435/232.000;  
 530/344.000; 530/350.000; 530/823.000; 935/011.000; 935/014.000;  
 935/068.000  
 NCL NCLM: 435/069.100  
 NCLS: 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000;  
 530/823.000; 536/023.740; 536/024.320  
 IC [6]  
 ICM: C12N015-00  
 ICS: C12N009-88; C07H021-04  
 EXF 435/69.1; 435/240.1; 435/320.1; 435/183; 435/200; 435/232; 536/23.74;  
 536/24.32; 935/11; 935/14; 935/66; 935/68; 530/344; 530/350; 530/412;  
 530/417; 530/820; 530/823

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 16 OF 16 USPATFULL  
 AN 97:115135 USPATFULL  
 TI \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* producing 1,5- \*\*\*anhydrofructose\*\*\*  
 IN Yu, Shukun, Malmo, Sweden  
 Pedersen, Marianne, Rallarvagen, Sweden  
 Kenne, Lennart, Marsta, Sweden  
 PA T&M Biopolymer Aktiebolag, Uppsala, Sweden (non-U.S. corporation)  
 PI US 5695970 19971209  
 WO 9409122 19940428  
 AI US 1995-416709 19950418 (8)  
 WO 1993-SE854 19931019

19950418 PCT 371 date  
 19950418 PCT 102(e) date  
 PRAI SE 1992-3084 19921021  
 DT Utility  
 FS Granted  
 LN.CNT 1039  
 INCL INCLM: 435/105.000  
 INCLS: 435/232.000; 435/252.330; 435/252.300; 435/257.200; 536/023.200  
 NCL NCLM: 435/105.000  
 NCLS: 435/232.000; 435/252.300; 435/252.330; 435/257.200; 536/023.200  
 IC [6]  
 ICM: C12P019-02  
 ICS: C12N009-88; C12N001-20  
 EXF 435/232; 435/257.1; 435/105; 435/257.2; 536/23.2  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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FILE 'USPATFULL' ENTERED AT 16:25:35 ON 17 APR 2002  
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:25:35 ON 17 APR 2002  
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=> s anhydrofructose and wine  
28 FILES SEARCHED...

L5 0 ANHYDROFRUCTOSE AND WINE

=> s anhydrofructose and grape  
L6 2 ANHYDROFRUCTOSE AND GRAPE

=> d 16 1-2

L6 ANSWER 1 OF 2 FROSTI COPYRIGHT 2002 LFRA  
AN 523400 FROSTI  
TI A process for preparing an anti-oxidant.  
IN Buchter-Larsen A.; Marcussen I.  
PA Danisco A/S  
SO British Patent Application  
PI GB 2340123 A  
WO 9850532 19981112  
AI 19980506  
PRAI United Kingdom 19970506  
DT Patent  
LA English  
SL English

L6 ANSWER 2 OF 2 FROSTI COPYRIGHT 2002 LFRA  
AN 484464 FROSTI  
TI A process for preparing an antioxidant.  
IN Buchter-Larsen A.; Marcussen I.  
PA Danisco A/S  
SO PCT Patent Application  
PI WO 9850532 A2  
AI 19980506  
PRAI United Kingdom 19970506  
DT Patent  
LA English  
SL English

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	51.88	88.03

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Apr 12, 2002 (20020412/UP).

=> file agriculture  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.06	88.09

FULL ESTIMATED COST

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CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

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=> lyase and grape  
LYASE IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s lyase and plant  
12 FILES SEARCHED...  
L7 19418 LYASE AND PLANT

=> s 17 and glucan  
L8 279 L7 AND GLUCAN

=> s 18 and anhydrofructose  
L9 17 L8 AND ANHYDROFRUCTOSE

=> d 19 1-17

L9 ANSWER 1 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:185806 BIOSIS  
DN PREV200100185806  
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
in ripening banana.  
AU Konishi, Yotaro (1); Hashima, Keiko; Kishida, Kunihiro  
CS (1) Faculty of Human Life Science, Osaka City University, 3-3-138,  
Sugimoto, Sumiyoshi-ku, Osaka, 558-8585: konishi@life.osaka-cu.ac.jp Japan  
SO Bioscience Biotechnology and Biochemistry, (November, 2000) Vol. 64, No.  
11, pp. 2462-2465. print.  
ISSN: 0916-8451.  
DT Article  
LA English  
SL English

L9 ANSWER 2 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:93236 BIOSIS  
DN PREV200100093236  
TI N-linked oligosaccharide processing enzyme glucosidase II produces 1,5-  
\*\*\*anhydrofructose\*\*\* as a side product.  
AU Hirano, Kiyoko; Ziak, Martin; Kamoshita, Keiichi; Sukenaga, Yoshikazu;  
Kametani, Shunichi; Shiga, Yoko; Roth, Jurgen; Akanuma, Hiroshi (1)  
CS (1) Department of Life Sciences (Chemistry), Graduate School of Arts and  
Sciences, The University of Tokyo, Komaba, Meguro-ku, Tokyo, 153-8902  
Japan  
SO Glycobiology, (December, 2000) Vol. 10, No. 12, pp. 1283-1289. print.  
ISSN: 0959-6658.  
DT Article  
LA English  
SL English

L9 ANSWER 3 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1999:443718 BIOSIS  
DN PREV199900443718  
TI alpha-1,4- \*\*\*Glucan\*\*\* \*\*\*lyases\*\*\* producing 1,5-anhydro-D-  
fructose from starch and glycogen have sequence similarity to  
alpha-glucosidases.  
AU Yu, Shukun (1); Bojsen, Kirsten; Svensson, Birte; Marcussen, Jan  
CS (1) Danisco Biotechnology, Danisco A/S, Langebrogade 1, DK 1001,  
Copenhagen K Denmark  
SO Biochimica et Biophysica Acta, (Aug. 17, 1999) Vol. 1433, No. 1-2, pp.  
1-15.  
ISSN: 0006-3002.  
DT General Review  
LA English  
SL English

L9 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1993:256615 BIOSIS

DN PREV199395135790  
 TI Alpha-1,4- \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* , a new class of starch/glycogen  
 degrading enzyme: I. Efficient purification and characterization from red  
 seaweeds.  
 AU Yu, Shukun (1); Kenne, Lennart; Pedersen, Marianne  
 CS (1) Dep. Physiol. Bot., Uppsala Univ., Box S-572 36 Uppsala Sweden  
 SO Biochimica et Biophysica Acta, (1993) Vol. 1156, No. 3, pp. 313-320.  
 ISSN: 0006-3002.  
 DT Article  
 LA English

L9 ANSWER 5 OF 17 CABA COPYRIGHT 2002 CABI  
 AN 2001:41188 CABA  
 DN 20013022491  
 TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
 in ripening banana  
 AU Konishi, Y.; Hashima, K.; Kishida, K.  
 CS Faculty of Human Life Science, Osaka City University, 3-3-138, Sugimoto,  
 Sumiyoshi-ku, Osaka 558-8585, Japan.  
 SO Bioscience, Biotechnology and Biochemistry, (2000) Vol. 64, No. 11, pp.  
 2462-2465. 21 ref.  
 ISSN: 0916-8451  
 DT Journal  
 LA English

L9 ANSWER 6 OF 17 CABA COPYRIGHT 2002 CABI  
 AN 94:96376 CABA  
 DN 940307783  
 TI alpha -1,4- \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* , a new class of  
 starch/glycogen degrading enzyme. 1. Efficient purification and  
 characterization from red seaweeds  
 AU Yu, S. K.; Kenne, L.; Pedersen, M.  
 CS Department of Physiological Botany, Uppsala University, Box 540, 752 36  
 Uppsala, Sweden.  
 SO Biochimica et Biophysica Acta, General Subjects, (1993) Vol. 1156, No. 3,  
 pp. 313-320. 28 ref.  
 ISSN: 0304-4165  
 DT Journal  
 LA English

L9 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2002 ACS  
 AN 2000:860876 CAPLUS  
 DN 134:144629  
 TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
 in ripening banana  
 AU Konishi, Yotaro; Hashima, Keiko; Kishida, Kunihiro  
 CS Faculty of Human Life Science, Osaka City University, Osaka, 558-8585,  
 Japan  
 SO Bioscience, Biotechnology, and Biochemistry (2000), 64(11), 2462-2465  
 CODEN: BBBIEJ; ISSN: 0916-8451  
 PB Japan Society for Bioscience, Biotechnology, and Agrochemistry  
 DT Journal  
 LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 8 OF 17 FROSTI COPYRIGHT 2002 LFRA



AN 547144 FROSTI  
 TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
 in ripening banana.  
 AU Konishi Y.; Hashima K.; Kishida K.  
 SO Bioscience, Biotechnology, and Biochemistry, 2000, (November), 64 (11),  
 2462-2465 (21 ref.)  
 Published by: Japan Society for Bioscience, Biotechnology and  
 Agrochemistry (Nippon Nogekagaku Kai) Address: Japan Academic Societies  
 Center Building, 2-4-16, Yayoi, Bunkyo-ku, Tokyo 113-0032, Japan Fax:  
 +81 (3) 3815 1920 Web: [www.soc.nacsis.ac.jp/jsbba](http://www.soc.nacsis.ac.jp/jsbba)  
 ISSN: 0002-1369  
 DT Journal  
 LA English  
 SL English

L9 ANSWER 9 OF 17 FROSTI COPYRIGHT 2002 LFRA  
 AN 523400 FROSTI  
 TI A process for preparing an anti-oxidant.  
 IN Buchter-Larsen A.; Marcussen I.  
 PA Danisco A/S  
 SO British Patent Application  
 PI GB 2340123 A  
 WO 9850532 19981112  
 AI 19980506  
 PRAI United Kingdom 19970506  
 DT Patent  
 LA English  
 SL English

L9 ANSWER 10 OF 17 FROSTI COPYRIGHT 2002 LFRA  
 AN 484464 FROSTI  
 TI A process for preparing an antioxidant.  
 IN Buchter-Larsen A.; Marcussen I.  
 PA Danisco A/S  
 SO PCT Patent Application  
 PI WO 9850532 A2  
 AI 19980506  
 PRAI United Kingdom 19970506  
 DT Patent  
 LA English  
 SL English

L9 ANSWER 11 OF 17 FSTA COPYRIGHT 2002 IFIS  
 AN 2001(05):J0991 FSTA  
 TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
 in ripening banana.  
 AU Konishi, Y.; Hashima, K.; Kishida, K.  
 CS Fac. of Human Life Sci., Osaka City Univ., Osaka 558-8585, Japan. Tel. &  
 Fax +81 6 6605 2813. E-mail [konishi\(a\)life.osaka-cu.ac.jp](mailto:konishi(a)life.osaka-cu.ac.jp)  
 SO Bioscience, Biotechnology, and Biochemistry, (2000), 64 (11) 2464-2465, 21  
 ref.  
 ISSN: 0916-8451  
 DT Journal  
 LA English

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 AN 2001-0184047 PASCAL

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TIEN Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
in ripening banana  
AU KONISHI Yotaro; HASHIMA Keiko; KISHIDA Kunihiro  
CS Faculty of Human Life Science, Osaka City University, 3-3-138, Sugimoto,  
Sumiyoshi-ku, Osaka 558-8585, Japan  
SO Bioscience, biotechnology, and biochemistry, (2000), 64(11), 2462-2465,  
21 refs.  
ISSN: 0916-8451  
DT Journal  
BL Analytic  
CY Japan  
LA English  
AV INIST-8935, 354000093918800250

L9 ANSWER 13 OF 17 SCISEARCH COPYRIGHT 2002 ISI (R)  
AN 2000:926807 SCISEARCH  
GA The Genuine Article (R) Number: 378ZH  
TI Increases in 1,5-anhydroglucitol levels in germinating amaranth seeds and  
in ripening banana  
AU Konishi Y (Reprint); Hashima K; Kishida K  
CS OSAKA CITY UNIV, FAC HUMAN LIFE SCI, SUMIYOSHI KU, 3-3-138 SUGIMOTO, OSAKA  
5588585, JAPAN (Reprint)  
CYA JAPAN  
SO BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, (NOV 2000) Vol. 64, No. 11, pp.  
2462-2465.  
Publisher: JAPAN SOC BIOSCI BIOTECHN AGROCHEM, JAPAN ACAD SOC CTR BLDG,  
2-4-6 YAYOI BUNKYO-KU, TOKYO 113, JAPAN.  
ISSN: 0916-8451.  
DT Article; Journal  
FS LIFE; AGRI  
LA English  
REC Reference Count: 21  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L9 ANSWER 14 OF 17 USPATFULL  
AN 2002:16641 USPATFULL  
TI Foodstuff  
IN Soe, Jorn Borch, Mundelstrup, DENMARK  
PI US 2002009518 A1 20020124  
AI US 2000-750990 A1 20001228 (9)  
RLI Continuation-in-part of Ser. No. WO 1999-IB1354, filed on 20 Jul 1999,  
UNKNOWN  
PRAI GB 1998-15905 19980721  
GB 1998-24758 19981111  
DT Utility  
FS APPLICATION  
LN.CNT 1268  
INCL INCLM: 426/033.000  
INCLS: 426/061.000; 426/601.000  
NCL NCLM: 426/033.000  
NCLS: 426/061.000; 426/601.000  
IC [7]  
ICM: A23L001-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 15 OF 17 USPATFULL

AN 2000:4667 USPATFULL  
 TI .alpha.-1,4- \*\*\*glucan\*\*\* \*\*\*lyase\*\*\* from a fungus infected  
 algae, its purification, gene cloning and expression in microorganisms  
 IN Yu, Shukun, Malmo, Sweden  
 Bojsen, Kirsten, Allerod, Denmark  
 Kragh, Karsten, Viby, Denmark  
 Bojko, Maja, Gentofte, Denmark  
 Nielsen, John, Copenhagen, Denmark  
 Marcussen, Jan, Copenhagen, Denmark  
 PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)  
 PI US 6013504 20000111  
 WO 9510618 19960420  
 AI US 1996-633768 19960702 (8)  
 WO 1994-EP3399 19941015  
 19960702 PCT 371 date  
 19960702 PCT 102(e) date  
 PRAI GB 1993-21301 19931015  
 DT Utility  
 FS Granted  
 LN.CNT 1543  
 INCL INCLM: 435/232.000  
 INCLS: 435/105.000; 435/252.300; 435/252.330; 435/257.200; 536/023.100;  
 536/023.200; 536/023.740; 424/094.500  
 NCL NCLM: 435/232.000  
 NCLS: 424/094.500; 435/105.000; 435/252.300; 435/252.330; 435/257.200;  
 536/023.100; 536/023.200; 536/023.740  
 IC [6]  
 ICM: C12N009-88  
 EXF 435/232; 435/257.2; 435/252.3; 435/252.33; 435/105; 536/23.1; 536/23.2;  
 536/23.74; 424/94.5  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 17 USPATFULL  
 AN 1999:63233 USPATFULL  
 TI .alpha.-1,4- \*\*\*glucan\*\*\* \*\*\*lyase\*\*\* from a fungus, its  
 purification gene cloning and expression in microorganisms  
 IN Bojsen, Kirsten, Allerod, Denmark  
 Yu, Shukun, Malmo, Sweden  
 Kragh, Karsten, Viby J, Denmark  
 Christensen, Tove, Allerod, Denmark  
 Marcussen, Jan, Copenhagen, Denmark  
 PA Danisco A/S, Copenhagen, Denmark (non-U.S. corporation)  
 PI US 5908760 19990601  
 WO 9510617 19950420  
 AI US 1996-633770 19960708 (8)  
 WO 1994-EP3398 19941015  
 19960708 PCT 371 date  
 19960708 PCT 102(e) date  
 PRAI GB 1993-21302 19931015  
 DT Utility  
 FS Granted  
 LN.CNT 1285  
 INCL INCLM: 435/069.100  
 INCLS: 536/023.740; 536/024.320; 435/183.000; 435/200.000; 435/232.000;  
 530/344.000; 530/350.000; 530/823.000; 935/011.000; 935/014.000;  
 935/068.000  
 NCL NCLM: 435/069.100

NCLS: 435/183.000; 435/200.000; 435/232.000; 530/344.000; 530/350.000;  
530/823.000; 536/023.740; 536/024.320

IC [6]  
ICM: C12N015-00  
ICS: C12N009-88; C07H021-04

EXF 435/69.1; 435/240.1; 435/320.1; 435/183; 435/200; 435/232; 536/23.74;  
536/24.32; 935/11; 935/14; 935/66; 935/68; 530/344; 530/350; 530/412;  
530/417; 530/820; 530/823

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 17 USPATFULL  
AN 97:115135 USPATFULL  
TI \*\*\*Glucan\*\*\* \*\*\*lyase\*\*\* producing 1,5- \*\*\*anhydrofructose\*\*\*  
IN Yu, Shukun, Malmo, Sweden  
Pedersen, Marianne, Rallarvagen, Sweden  
Kenne, Lennart, Marsta, Sweden  
PA T&M Biopolymer Aktiebolag, Uppsala, Sweden (non-U.S. corporation)  
PI US 5695970 19971209  
WO 9409122 19940428  
AI US 1995-416709 19950418 (8)  
WO 1993-SE854 19931019  
19950418 PCT 371 date  
19950418 PCT 102(e) date

PRAI SE 1992-3084 19921021  
DT Utility  
FS Granted  
LN.CNT 1039  
INCL INCLM: 435/105.000  
INCLS: 435/232.000; 435/252.330; 435/252.300; 435/257.200; 536/023.200  
NCL NCLM: 435/105.000  
NCLS: 435/232.000; 435/252.300; 435/252.330; 435/257.200; 536/023.200

IC [6]  
ICM: C12P019-02  
ICS: C12N009-88; C12N001-20

EXF 435/232; 435/257.1; 435/105; 435/257.2; 536/23.2

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
72.32	160.41

FULL ESTIMATED COST

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LAST RELOADED: Apr 12, 2002 (20020412/UP).

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.48	160.89

STN INTERNATIONAL LOGOFF AT 16:36:32 ON 17 APR 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RKK

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 2	Jan 25	BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3	Jan 25	Searching with the P indicator for Preparations
NEWS 4	Jan 29	FSTA has been reloaded and moves to weekly updates
NEWS 5	Feb 01	DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 6	Feb 19	Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 7	Mar 08	Gene Names now available in BIOSIS
NEWS 8	Mar 22	TOXLIT no longer available
NEWS 9	Mar 22	TRCTHERMO no longer available
NEWS 10	Mar 28	US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
NEWS 11	Mar 28	LIPINSKI/CALC added for property searching in REGISTRY
NEWS 12	Apr 02	PAPERCHEM no longer available on STN. Use PAPERCHEM2 instead.
NEWS 13	Apr 08	"Ask CAS" for self-help around the clock
NEWS 14	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 15	Apr 09	ZDB will be removed from STN

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,  
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),  
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002

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NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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=> file agricola biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'AGRICOLA' ENTERED AT 09:05:00 ON 18 APR 2002

FILE 'BIOSIS' ENTERED AT 09:05:00 ON 18 APR 2002

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=> s grape and antioxidants and transformation

L1 2 GRAPE AND ANTIOXIDANTS AND TRANSFORMATION

=> d l1 1-2

L1 ANSWER 1 OF 2 AGRICOLA

AN 97:2747 AGRICOLA

DN IND20539753

TI Establishment of an Agrobacterium-mediated \*\*\*transformation\*\*\* system for \*\*\*grape\*\*\* (Vitis vinifera L.): The role of \*\*\*antioxidants\*\*\* during \*\*\*grape\*\*\* -Agrobacterium interactions.

AU Perl, A.; Lotan, O.; Abu-Abied, M.

CS The Volcani Center, Bet-Dagan, Israel.

AV DNAL (QH442.B5)

SO Nature biotechnology, May 1996. Vol. 14, No. 5. p. 624-628

Publisher: New York, NY : Nature Pub. Co., [1996-

CODEN: NABIF9; ISSN: 1087-0156

NTE Includes references

CY New York (State); United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

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AN 1996:268102 BIOSIS

DN PREV199698824231

TI Establishment of an Agrobacterium-mediated \*\*\*transformation\*\*\* system for \*\*\*grape\*\*\* (Vitis vinifera L.): The role of \*\*\*antioxidants\*\*\* during \*\*\*grape\*\*\* -Agrobacterium interactions.

AU Perl, Avihai (1); Lotan, Ofra; Abu-Abied, M.; Holland, D.

CS (1) Dep. Fruit Tree Breeding Molecular Genetics, Agricultural Research Organization, The Volcani Center, P.O. Box 6 Bet-Dagan 50250 Israel

SO Nature Biotechnology, (1996) Vol. 14, No. 5, pp. 624-628.

ISSN: 1087-0156.  
DT Article  
LA English

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SINCE FILE	TOTAL
ENTRY	SESSION
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=> s antioxidant and transform

L2 53 ANTIOXIDANT AND TRANSFORM

=> s 12 and plant

L3 5 L2 AND PLANT

=> d 13 1-5

L3 ANSWER 1 OF 5 AGRICOLA

AN 1998:48968 AGRICOLA

DN IND21242612

TI In vivo antiperoxidative effect of 9-cis beta-carotene compared with that  
of the all-trans isomer.

AU Levin, G.; Yeshurun, M.; Modaky, S.

AV DNAL (RC262.C5N8)

SO Nutrition and cancer, 1997. Vol. 27, No. 3. p. 293-297

Publisher: Mahwah, N.J. : Lawrence Erlbaum Associates, Inc.

CODEN: NUCADQ; ISSN: 0163-5581

NTE Includes references

CY New Jersey; United States

DT Article

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 2 OF 5 AGRICOLA

AN 96:6533 AGRICOLA

DN IND20494537

TI Characterization of Arabidopsis thaliana cDNAs that render yeasts tolerant  
toward the thiol-oxidizing drug diamide.

AU Kushnir, S.; Babiychuk, E.; Kampfenkel, K.; Belles-Boix, E.; Montagu, M.  
van.; Inze, D.  
CS Universiteit Gent, Ghent, Belgium.  
AV DNAL (500 N21P)  
SO Proceedings of the National Academy of Sciences of the United States of  
America, Nov 7, 1995. Vol. 92, No. 23. p. 10580-10584  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424  
NTE Includes references  
CY District of Columbia; United States  
DT Article; Conference  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L3 ANSWER 3 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2001:170814 BIOSIS  
DN PREV200100170814  
TI Violacein transformation by peroxidases and oxidases: Implications on its  
biological properties.  
AU Bromberg, Natalia; Duran, Nelson (1)  
CS (1) Biological Chemistry Laboratory, Institute of Chemistry, Universidade  
Estadual de Campinas (UNICAMP), C.E.P. 13083-970, Campinas, Sao Paulo:  
duran@iqm.unicamp.br Brazil  
SO Journal of Molecular Catalysis B Enzymatic, (22 January, 2001) Vol. 11,  
No. 4-6, pp. 463-467. print.  
ISSN: 1381-1177.  
DT Article  
LA English  
SL English

L3 ANSWER 4 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2000:48106 BIOSIS  
DN PREV200000048106  
TI Antioxidative phenolic compounds from Japanese barnyard millet  
(*Echinochloa utilis*) grains.  
AU Watanabe, Mitsuru (1)  
CS (1) Ministry of Agriculture, Forestry and Fisheries, Tohoku National  
Agricultural Experiment Station, Akahira, Shimokuriyagawa, Morioka, Iwate  
Japan  
SO Journal of Agricultural and Food Chemistry, (Nov., 1999) Vol. 47, No. 11,  
pp. 4500-4505.  
ISSN: 0021-8561.  
DT Article  
LA English  
SL English

L3 ANSWER 5 OF 5 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1996:21479 BIOSIS  
DN PREV199698593614  
TI Characterization of *Arabidopsis thaliana* cDNAs that render yeasts  
tolerant toward the thiol-oxidizing drug diamide.  
AU Kushnir, Sergei; Babiychuk, Elena; Kampfenkel, Karlheinz; Belles-Boix,  
Enric; Van Montagu, Marc; Inze, Dirk  
CS Lab. voor Genetica, Univ. Gent, K.L. Ledeganckstraat 35, B-9000 Ghent  
Belgium  
SO Proceedings of the National Academy of Sciences of the United States of  
America, (1995) Vol. 92, No. 23, pp. 10580-10584.



DT ISSN: 0027-8424.  
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